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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/020,702	10/30/2001	Steven Wang	ITL.0679US (P12997)	9571
21906 7590 06/06/2007 TROP PRUNER & HU, PC 1616 S. VOSS ROAD, SUITE 750 HOUSTON, TX 77057-2631			EXAMINER TAYLOR, NICHOLAS R	
			ART UNIT 2141	PAPER NUMBER
			MAIL DATE 06/06/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/020,702	<b>Applicant(s)</b> WANG, STEVEN	
	<b>Examiner</b> Nicholas R. Taylor	<b>Art Unit</b> 2141	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 20 March 2007.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-8, 10-18, 20-26 and 28-30 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-8, 10-18, 20-26 and 28-30 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 30 October 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

1. Claims 1-8, 10-18, 20-26, and 28-30 have been presented for examination and are rejected.

### ***Response to Arguments***

2. Applicant's arguments filed March 20th, 2007, have been fully considered but are moot in view of the new grounds of rejection.

### ***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-8, 10-18, 20-26, and 28-30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shoobridge et al. (U.S. Patent 6,633,769) and Sanjeev et al. (U.S. PGPub 2003/0078002).

5. As per claims 1, 11, and 21, Shoobridge teaches a method comprising:  
establishing a wireless link between a cableless provider and a consumer; and  
(Shoobridge, fig. 1; col. 6, lines 34-39; see fig. 5 process)

storing information exchanged to establish said link; and using said stored information to reestablish said link (Shoobridge, col. 6, lines 48-60 and the process of fig. 5).

Shoobridge fails to teach providing an indication bit that identifies the cableless provider to establish a connection.

Sanjeev teaches a method of reestablishing wireless connections (Sanjeev, paragraph 0028) that uses a variety of wireless protocols (Sanjeev, paragraph 0017, 0030-0031, and fig. 5) and transfers an indication bit that identifies the cables provider to establish a connection (Sanjeev, paragraphs 0025-0028 and fig. 3).

It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to have combined Shoobridge and Sanjeev to provide the connection reestablishment of Sanjeev in the system of Shoobridge, because doing so would reduce the inconvenience imposed by having to repeatedly reestablish wireless links (Sanjeev, paragraph 0003).

6. As per claims 2, 12, and 22, Shoobridge-Sanjeev teaches the system further including exchanging information upon the first connection between a given cableless provider and a consumer (Shoobridge, fig. 1; col. 6, lines 34-39; see fig. 5 process).

7. As per claims 3 and 13, Shoobridge-Sanjeev teaches the system further including storing information in order to avoid the need to exchange information each time a connection is established (Shoobridge, col. 6, lines 43-47).

8. As per claims 4 and 14, Shoobridge-Sanjeev teaches the system further including denominating said consumer as the master device and said cableless provider as slave device (Shoobridge, e.g., see structural relationship of fig. 1).

9. As per claims 5, 15, and 30, Shoobridge-Sanjeev teaches the system further including programming said consumer to always be the master device (Shoobridge, e.g., see structural relationship of fig. 1).

10. As per claims 6 and 16, Shoobridge-Sanjeev teaches the system further including establishing a connection having a range of ten meters (Sanjeev, paragraph 0017, 0030-0031, and fig. 5).

11. As per claims 7 and 17, Shoobridge-Sanjeev teaches the system further including enabling said connection between said consumer and said cableless provider without providing for authentication (Shoobridge, see fig. 5 where no authentication takes place).

12. As per claims 8 and 18, Shoobridge-Sanjeev teaches the system further including enabling a connection between the cableless provider and the consumer without providing for pairing (Shoobridge, see fig. 5 where no authentication takes place).

13. As per claims 10, 20, and 29, Shoobridge-Sanjeev teaches the system further including providing information to a consumer from a cableless provider that indicates the type of device of the cableless provider (Sanjeev, paragraphs 0025-0028 and fig. 3).

14. As per claim 23, Shoobridge-Sanjeev teaches the system further wherein said device is a consumer (Shoobridge, fig. 1; col. 6, lines 34-39; see fig. 5 process).

15. As per claim 24, Shoobridge-Sanjeev teaches the system further wherein said device operates at 2.4 gigahertz at a range of approximately ten meters (Sanjeev, paragraph 0017, 0030-0031, and fig. 5).

16. As per claim 25, Shoobridge-Sanjeev teaches the system further wherein said device does not provide for authentication (Shoobridge, see fig. 5 where no authentication takes place).

17. As per claim 26, Shoobridge-Sanjeev teaches the system further wherein said device does not provide for pairing (Shoobridge, see fig. 5 where no authentication takes place).

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18. As per claim 28, Shooobridge-Sanjeev teaches the system wherein said device identifies itself through an FHS packet (Sanjeev, paragraph 0017, 0030-0031, and fig. 5, through use of the Bluetooth® protocol).

### ***Conclusion***

19. Applicant's amendment necessitated the new grounds of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nicholas Taylor whose telephone number is (571) 272-3889. The examiner can normally be reached on Monday-Friday, 8:00am to 5:30pm, with alternating Fridays off.


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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rupal Dharia can be reached on (571) 272-3880. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

NT 6-1-07

Nicholas Taylor  
Examiner  
Art Unit 2141

  
RUPAL DHARIA  
SUPERVISORY PATENT EXAMINER